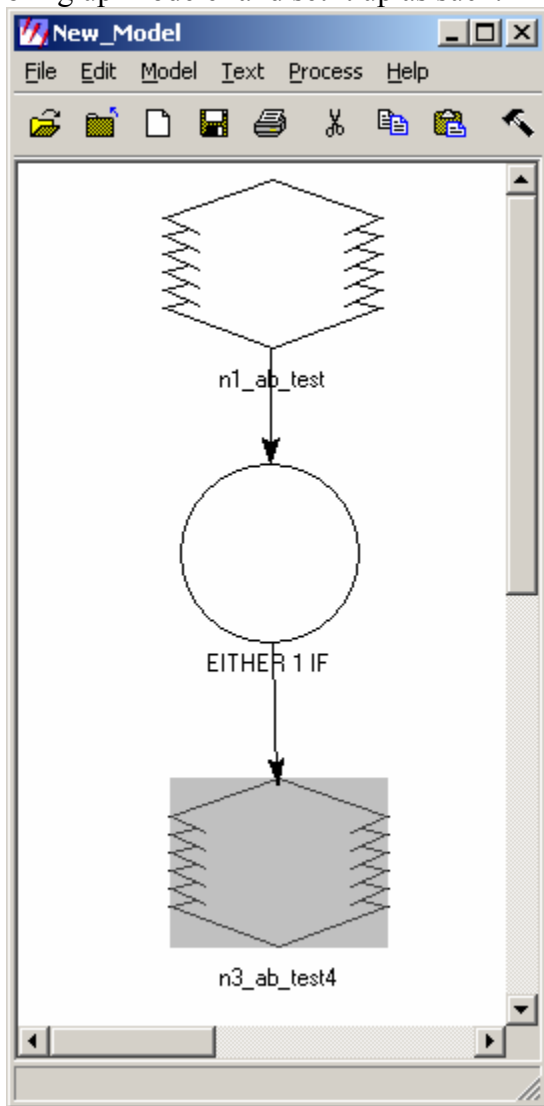


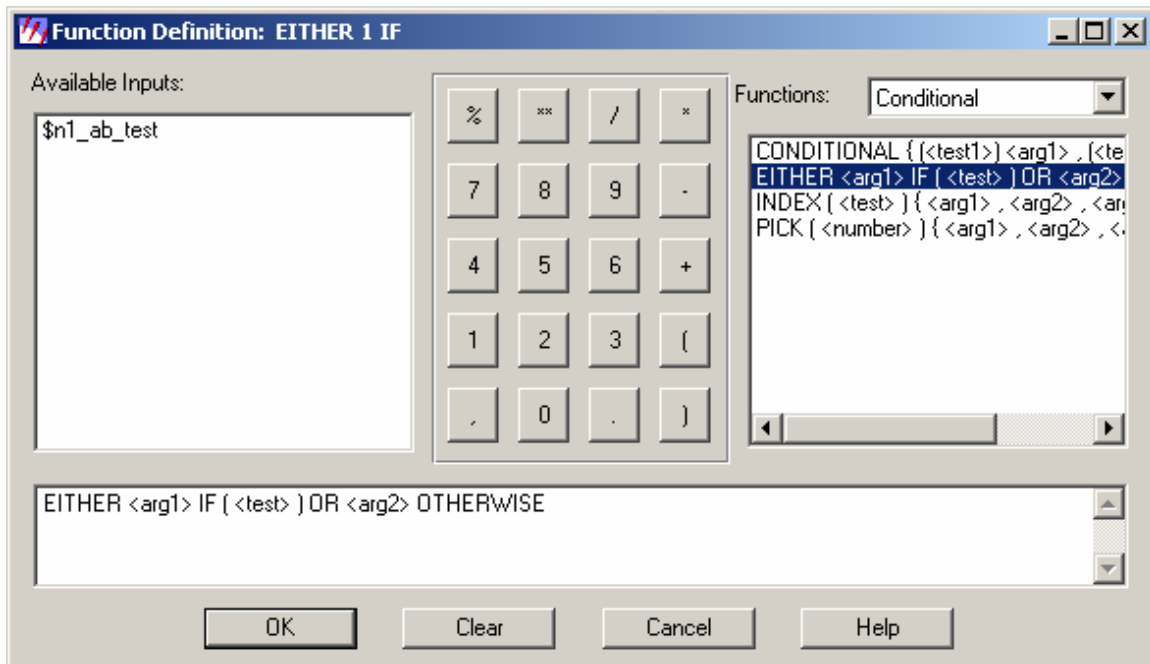
Query DEM raster in Imagine

To just see a elevation on the screen, you load your DEM to a viewer with the option set to Pseudo color. Then you can go to Raster, Attributes. The attributes table comes up and then you can change color by elevation. The row column is your elevation, you can just highlight the rows that represent the elevation and change the color.

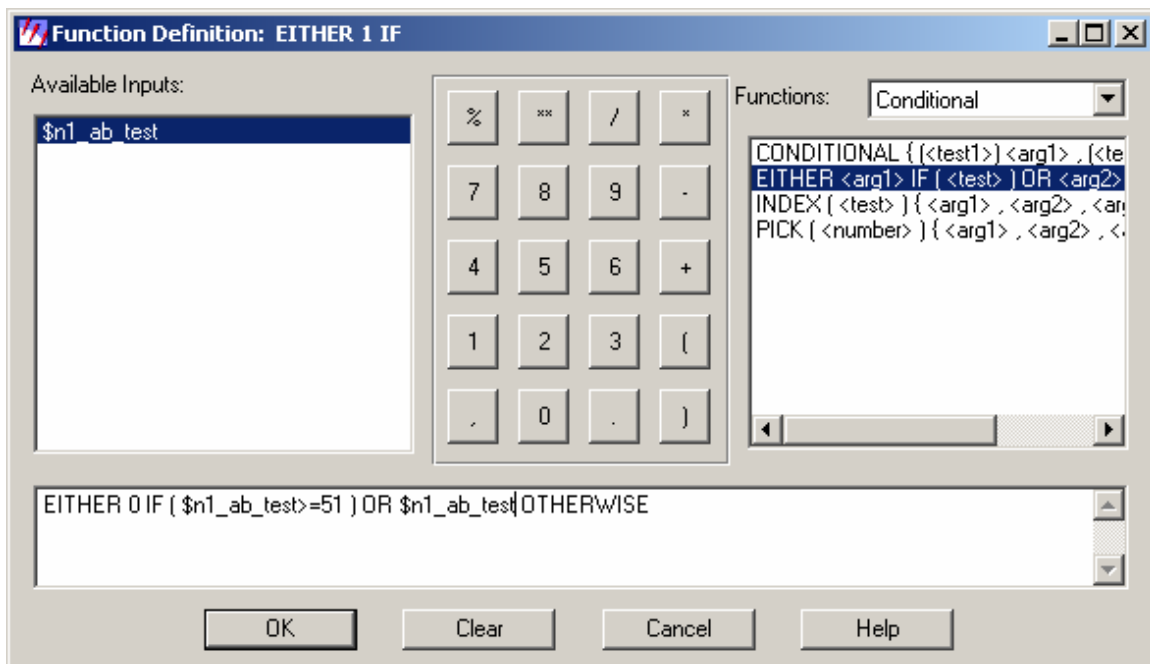
To create a new output image to be used for querying you need to use Modeler. You bring up Modeler and set it up as such.



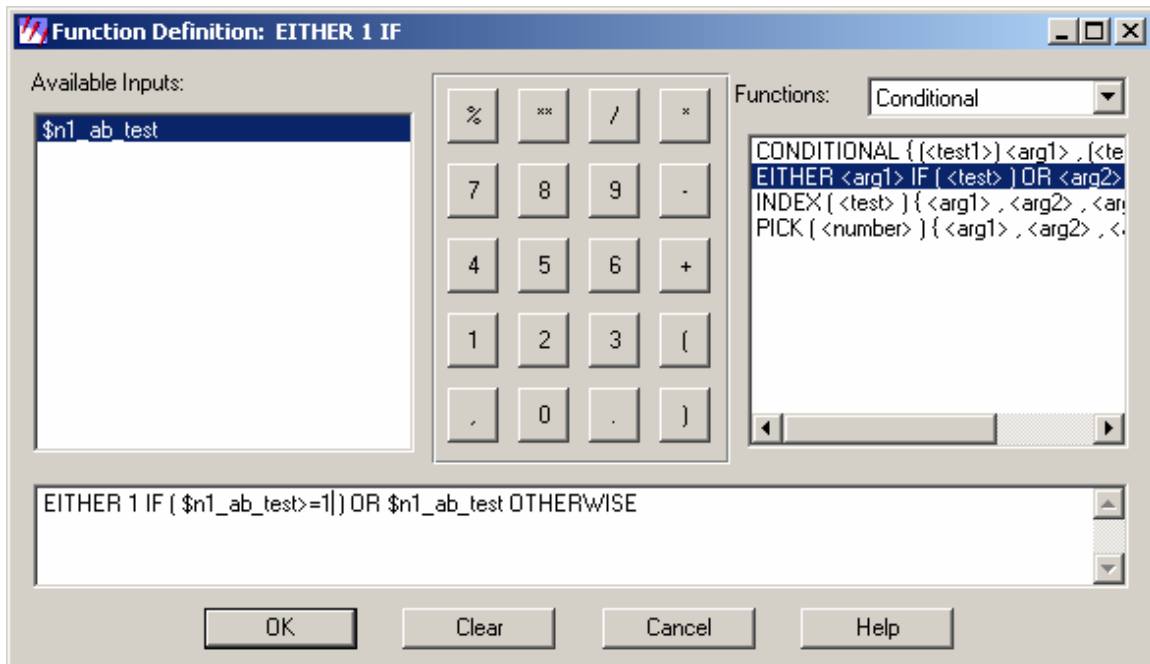
You have your input file, your query statement, and your output file. The query statement at first will look like this.



To do a query, say anything less than 50, you set it up like this.



What you are saying here is, make everything 0 that is more than 51, and if 50 or less leave it as is. You put this out to a new Image. But this new Image has all the data elevations below 50, so if you put this to a shape file you would have a lot of little shapes for each elevation, so we need to output just one shape that represents an elevation of less than 50. So to do this you need to bring up Modeler again and do one more query. This time it will look like this.



What you are saying here is, make everything 1 that is more than 1, else leave as is. This way we leave the 0 behind and make all elevations a 1, that way we can make a single shape that represents 50 and below. Then we can run raster to vector and have one shape.